



THE

EXPERIMENT

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LIGHT...LEAN...LETHAL

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JEFX geared toward future

By Tech. Sgt.
Stefan Alford

JEFX Public Affairs

HURLBURT FIELD, Fla. — It's all about the future.

The primary objective of Joint Expeditionary Force eXperiment '00 is to assess Air Force operations using new technology and capabilities in a simulated warfighting environment.

That means meeting the evolving needs of the Expeditionary Aerospace Force of the 21st century.

JEFX '00 is the third annual large-scale Air Force experiment combining



Photo by Senior Airman Lee E. Rogers

The Combined Air Operations Center will be the main hub for the experiment at Hurlburt Field, Fla.

live-fly forces, models, simulations and technology insertion to explore and evaluate new processes.

While that may seem like a mouthful, Col. Kevin Dunleavy, the director of JEFX '00 here, sums it up more succinctly.

"Air Force experimentation provides both near and long-term benefits for our warfighters," said Dunleavy.

"It provides a means to assess new technologies and operational concepts, allows warfighter involvement early in the acquisition process and produces better informed investment decisions," he added.

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Security vital during experiment

"We are trying to enforce the integrity of a secure environment."

*Tech Sgt. Jeff Jones
JEFX chief of
security and force protection*

By 2nd Lt. Paula Kurtz
JEFX Public Affairs

HURLBURT FIELD, Fla. -- Attention to detail and self-discipline — they are two lessons the military teaches its trainees, both officer and enlisted, from day one.

While it may seem silly and a bit overkill when you're folding T-shirts in 6-inch squares, it's extremely important that those lessons are next to second nature when it comes to operations and information security.

Here at the Joint Expeditionary Force eXperiment '00, Tech Sgt. Jeff Jones, chief of security and force protection for the experiment, is counting on the fact

that participants know the importance of following established security guidelines and have the self-discipline not to cut corners because of deadlines and pressure from above.

"There are more internal concerns than external," Jones said.

One of the biggest challenges facing JEFX participants is keeping materials properly marked and labeled, Jones explained. A common mistake people make is classifying information with the wrong classification, or worse, not classifying them at all.

"Classifying a document or information is not guess work," said Jones.

See SECURITY, Page 6

Perryman welcomes JEFX participants

By Maj. Gen. Gerald F. Perryman Jr.

Aerospace Command and Control and Intelligence, Surveillance, and Reconnaissance Center commander

Welcome to Joint Expeditionary Force eXperiment – JEFX '00! This large-scale Air Force experiment, the third in the series, will have far-reaching implications for the future of joint warfare as we work toward building the Expeditionary Aerospace Force for the 21st Century.

During this experiment, warfighters, support personnel, developers, and assessors will all be working together as a team. We've discovered by involving warfighters early in the development of new concepts and technologies we are able to provide more operationally focused systems and processes necessary to reach Joint Vision 2020.

This "spiral development" is at the core of our experimentation process. In our first experiment, JEFX '98, we focused on distributed operations. JEFX '99

took the lessons learned in '98 to explore how best to integrate space-based capabilities and space-derived information into aerospace operations.

This year, through 45 process and system initiatives, we will examine innovations in Agile Combat Support and Time Critical Targeting issues, prevalent both in Kosovo and in JEFX '99.

We will also explore improvements in global mobility; intelligence, surveillance, and reconnaissance battle management; and a new concept that allows us to turn data into information for our warfighters – the Joint Battlespace Infosphere.

Experimentation is in our heritage – as an Air Force and as a nation. It is the venue from which innovative ideas and concepts spring forward.

With your interest and support, we can all work together to continue this newly invigorated effort in Air Force experimentation and find innovative ways to better defend this great nation.



**Maj. Gen.
Gerald F. Perryman Jr.**

Future (Continued from Page 1)

The main focus of this year's experiment is to look at innovative means of providing agile combat support to expeditionary aerospace forces. As such, JEFX will explore future capabilities to enable the Commander, Air Force Forces and staff to sustain and protect AEFs in a coalition environment.

Other areas being looked at during JEFX '00 are time critical targeting, air mobility, joint battlespace infosphere, and intelligence, surveillance and reconnaissance battle management.

Planners for the experiment stress the difference between what the experiment is as opposed to an exercise, noting that the main point is to learn,

not to train. JEFX is a discovery process that integrates new and emerging technologies, solves deficiencies and provides advanced capabilities. It's not an exercise, test or technology demonstration.

The wide scope of the experiment calls for a large supporting cast as more than 3,000 military participants at 11 sites across the nation will be helping to discover better ways to accomplish Air Force missions in a joint/combined environment.

The three main operating locations are Langley Air Force Base, Va., Hurlburt Field, Fla., and Nellis AFB, Nev. The majority of the 250-plus individual live-fly aircraft sorties will be

flown over the Nellis ranges.

Among the myriad of aircraft taking part are the A-10, B-1, B-2, B-52, C-130, E-3, E-8, F-15, F-16, F-117, KC-135, RC-135 and U2.

The other services' live-fly players include the U.S. Army's AH-64, the U.S. Marine Corps' F-18, and the U.S. Navy's EA-6.

In addition, the other services are again providing personnel to this year's experiment. The joint service environment is a key ingredient in the process, as the experiment also serves as the Air Force's contribution to Millennium Challenge '00 – Joint Forces Command's first major-leveraged joint experiment.

THE EXPERIMENT

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THE EXPERIMENT STAFF

JEFX 2000 CFACC..... Gen. John P. Jumper
Public Affairs Director Capt. Geoff Fischer
Public Affairs Deputy Director 2nd Lt. Paula Kurtz
Editor Tech. Sgt. Stefan Alford
Photographer..... Senior Airman Lee Rogers

News notes

Public affairs

Information for "The eXperiment," may be submitted to the local public affairs cell.

At **Hurlburt Field, Fla.**, newsletter items or story ideas may be submitted to Tech. Sgt. Stefan Alford at the Joint Personnel Access Center in Bldg. 90005 or by calling (850) 884-8351.

At **Langley Air Force Base, Va.**, submit information and stories to 2nd Lt. Kim Layne at the JPAC in Bldg. 12 or by calling (757) 225-1262.

At **Nellis AFB, Nev.**, information and story ideas may be submitted to Staff Sgt. Lori Wise at the JPAC in Bldg 454 or call (702) 652-6399.

The newsletter will be published Sept. 5, Sept. 8, Sept. 12 and Sept. 15.

Coins and more

JEFX '00 coins, mugs and T-shirts are on sale at the snack bar located at the Hurlburt Field Permanent Exercise Facility.

Coins and mugs are \$5 each. The mugs are plastic with a lid. T-shirts, which are black with the JEFX '00 patch on the front, are \$10.

Targeting the enemy faster

By Tech. Sgt. Rich Covington

JEFX Public Affairs

NELLIS AIR FORCE BASE, Nev. — An experiment conducted during the live-fly portion of the Joint Expeditionary Force eXperiment '00 at Nellis will enable aircraft missions to be changed or assigned minutes before attacking a target — all done in a new one-of-a kind center here.

The process known as time-critical targeting enables targets to be found, identified, assigned and quickly taken out. JEFX will look at whether this can be done using a time-critical targeting cell in the new Nellis JEFX Combined Air Operations Center -Forward. It is the forward end of a bigger picture that's coordinated through more complex centers at Langley Air Force Base, Va., and Hurlburt Field, Fla.

In the past, deciding to take out a target could take up to 72 hours before the aircraft launched or the target was destroyed. Officials say this must change.

According to Lt. Col. Jim Lopez, 505th Operations Squadron commander, increased technology in intelligence, surveillance and reconnaissance along with improved communications enables the military to better designate and assign targets. "This facility hopes to use this new ability," he said. "It will act as a bridge between operations and tactical employment. It aims to centralize the command yet decentralize the execution."

During this JEFX, the COAC-Forward falls under the combined forces air component commander, located at Hurlburt Field which helps develop theater objectives for the experiment. The forward center at Nellis will then develop the plans and nominate resources to achieve the theater objectives. Officials hope to use such operational control in future exercises or



Photo by Senior Airman Chris Flahive

A Russian made SCUD missile launcher simulates an enemy threat during Roving Sands at Tonopah Test Range. During Joint Expeditionary Force eXperiment '00, destroying such targets quickly is the goal of time-critical targeting.

conflicts. Officials said the time-critical targeting cell has the ability to quickly gather intelligence, surveillance and reconnaissance information and assign or reassign aircraft to targets.

The aircraft could already be in flight in the area or could be awaiting targets. For example, if a mobile SCUD missile launcher should suddenly be found, the TCTC would be able to quickly set up a tasking and take the launcher out before it could launch its missile — all within minutes. Such scenarios will also be looked at during JEFX '00.

Emergency contact phone numbers during JEFX '00

Emergencies can happen to anyone at any time.

During a deployment or temporary duty assignment, such as Joint Expeditionary Force eXperiment '00, knowing the right numbers and people to call can be critical in the

event of an emergency.

Each JEFX '00 location has a duty section which may be contacted in the event of an emergency.

Langley AFB, Va.

Langley Joint Personnel Access Center (24-hour access). Phone (757)

225-1280.

Hurlburt Field, Fla.

Hurlburt JPAC (24-hour access).

Phone (850) 884-9000, ext. 9070.

Nellis AFB, Nev.

Nellis JEFX locator. Phone (702)

249-8598.

Who's Who in JEFX 2000

Hurlburt Field, Fla.

General John P. Jumper
Combined Force Air Component
Commander

Lt. Gen. Thomas K. Keck
Deputy CFACC

Brig. Gen. Richard Casey
Director, Mobility Forces

Col. Kevin Dunleavy
Director, JEFX '00

Col. Kenneth Callicutt
Director, Combined Air Operations Center

Col. Craig Lightfoot
Deputy Director, Combined Air
Operations Center

Col. William Jackson
Director, Joint Personnel Access
Center (C1)

Col. John Koziel
Director, Intelligence, Surveillance
and Reconnaissance (C2)

Col. Robert Grosvenor
Director, Combat Execution (C3)

Col. William McGill
Director, Logistics (C4)

Col. Edward Groeninger
Director, Combat Plans (C5)

Col. Ted Campbell
Director, Communications (C6)

Col. Tom Seebo
Director, Joint Battlespace
Information Management (C7)

Nellis AFB, Nev.

Col. Dennis R. Littrell
Director, Live-Fly Operations

Col. Marc H. Lindsley
Director, Time Critical Targeting Cell

Lt. Col. Rod Matte
Director, JPAC

Langley AFB, Va.

Brig. Gen. Donald Wetekam
Deputy Commander Air Force Forces

Col. Hugh Robinson
Rear Director, Logistics

Security badges allow access, identification

By 2nd Lt. Paula Kurtz

JEFX Public Affairs

HURLBURT FIELD, Fla. -- With more than 3,000 people participating in Joint Expeditionary Force eXperiment '00, it's sometimes hard to tell who's who.

In an effort to make the identification process easier, both for participants and those enforcing security for the experiment, everyone must have a JEFX identification badge.

Whether a player in the experiment, or assessing, supporting, or even just visiting the area, you must have a badge of some kind, according to Staff Sgt. Ronny Short, assistant JEFX security manager at Hurlburt Field, Fla.

There are six badges being used throughout JEFX '00. Each badge is a different color to signify the badge holder's role in the experiment, Short said.

"Each individual participating in the experiment should know the different colors and should be briefed on what they mean by their node chief," added Tech Sgt. Jeff Jones, chief of JEFX security and force protection.

The badges allow entry into the Permanent Exercise Facility area for the

bearer, but any items they carry in or out of the area must also be checked for security and classification purposes.

There are also a few guidelines that must be followed once a JEFX '00 badge has been issued.

Badges are issued upon in-processing through the Joint Personnel Access Center. They are controlled items, like military identification cards, and as such should be accounted for at all times, said Jones.

Badges must be exposed at all times when in the experiment areas. If the badge is not exposed, the holder may be challenged to provide proper access authority by security forces or other JEFX participants.

The badge must be secured when not in a JEFX area. There is no reason to show a JEFX badge at the base exchange or the local dining facility, said Short.

For those not wearing a uniform, a picture ID must be placed in the badge sleeve while the badge holder is in the experiment areas.

If there are any questions regarding badges, please contact the local JEFX security forces manager for more information.

Hurricane season calls for precautions

All personnel located at Hurlburt Field, Fla., during JEFX '00 need to fill out a Hurricane Locator Sheet.

Due to Florida's hurricane season, which runs through Nov. 1, it's important this information is accurate. In the event of a hurricane, people who are caught away from their designated shelter locations must call 1-800-435-9941 so that they can be accounted for.

In the event of a hurricane evacuation, personnel will out-process at the JPAC (Bldg. 90005) or the Permanent Exercise Facility.

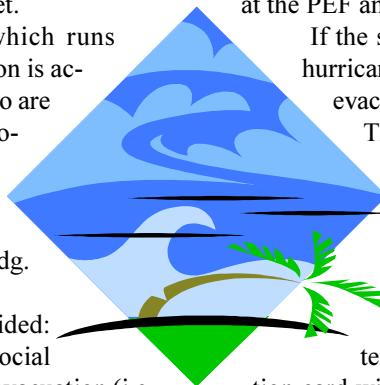
The following information must be provided: name, unit line number and line number, social security number, mode of transportation for evacuation (i.e., personal or JEFX shuttle service), and location of the evacua-

tion destination. Transportation for an evacuation will be staged at the PEF and Bldg. 90005.

If the storm is designated as a category 3 or greater hurricane, personnel will be directed to the primary evacuation location at Maxwell Air Force Base, Ala.

The 16th Transportation Squadron will provide bus transportation from the parking lot across from the base post office (next to Burger King) for personnel needing transportation to Maxwell AFB.

Once members reach their evacuation destination, they must call the Unit Control Center at 1-800-683-8978 to check in. An information card with contact numbers will be provided to JEFX participants during the evacuation out-processing.



Trans cell provides vehicle support

By Tech. Sgt. Stefan Alford
JEFX Public Affairs

HURLBURT FIELD, Fla. -- He may not be a used car salesman, but Tech. Sgt. Andy McLean can get you an even better deal on a set of wheels -- and it won't cost you a thing.

In fact, it's as simple as making a phone call and letting him know that you need a ride.

McLean is the Hurlburt JEFX transportation chief and his primary mission is to ensure that all temporary duty members have transportation to and from work.

He's been coordinating the transportation needs for this event since it started with JEFX '98, and his three years of experience have led him to refine the process to better meet the needs of participants.

"It's not a complicated system," said McLean. "Just call me."

Participants needing a ride can call the transportation cell at 881-9000, ext. 9076, to arrange a ride.

"The main thing is to call in advance, and I don't mean 10 minutes ahead of time," said McLean, an Air National Guard member with the 242nd Combat Communications Squadron at Spokane, Wash.

Prior coordination is the key because McLean has to schedule his 13 drivers to cover a 24-hour schedule.

Shuttle phone numbers

Langley AFB, Va.

For information on transportation, call the shuttle dispatch at (757) 764-8180.

Hurlburt Field, Fla.

Twenty-four hour transportation is available by calling (850) 881-9000, ext. 9076.

Nellis AFB, Nev.

Twenty-four hour transportation is available by calling (702) 682-8305.



Photos by Senior Airman Lee E. Rogers

Airmen 1st Class Woodrow J. Rorie, one of the transportation cell drivers, greets Capt. Robert E. Maxwell during a morning pick up. The transportation cell can coordinate rides to and from the experimentation area.

"If someone needs a ride to and from their hotel, they need to let us know so we can put it on our daily schedule," said McLean.

"Also, if people do make a reservation with us and then get a ride with somebody else, they need to call us to cancel for that

day so that we're not wasting our manpower and resources," said McLean.

Last year, McLean's system involved a lunch shuttle to four on-base eateries, as well as an off-duty leisure shuttle service. Those programs, however, didn't get enough participation as most people



Airman 1st Class Jevon Fulton confirms a transportation request loaded into the system.

had rental cars or other forms of transportation, said McLean.

"If we do have four or more people who need a ride to the Eglin beach club, the gym or the mall, we can offer some sort of shuttle service on an as-available basis," said McLean.

Security (Continued from Page 1)

"Individuals must use current classification guides associated with the weapon system, communication system, or program, they are working with to alleviate incorrect classifications," said Jones.

These materials could be floppy disks, paper and electronic documents, and even the hardware used to create and store the information.

In addition to ensuring only those properly badged individuals enter the experiment, the security detail assists members in properly marking their material. Further, the Permanent Exercise Facility has established an entry control point where all bags and boxes are checked both upon entering and exiting.

All floppy disks and laptop computers must be labeled with the proper classification before they can enter the facility. Cameras, cell phones, palm pilots and two-way pagers are forbidden unless cleared by the security forces manager.

"Basically, we're trying to limit any kind of transmitting equipment from entering the facility," said Staff Sgt. Ronny Short, security operations assistant for JEFX '00.

"Nothing classified should leave the area unless the person has a courier letter for classified material or a signed Air



Photo by Senior Airman Lee E. Rogers

Senior Airman Garland C. Cole, a security forces augmentee, checks the contents of a camera case at the Permanent Exercise Facility entry control point.

Force Form 310, authorizing them to take a specific item from one specific location on-base to another," said Short.

Although the rules may seem stringent, they are a necessity, said Jones.

"We are trying to enforce the integrity of a secure environment," Jones explained. "No unauthorized classified material should be removed from the compound at all. That means no JEFX personnel are authorized to store or work on classified material in their hotel rooms, although it has happened before."

Jones also said the best way people

can help is to ensure they follow the established rules, regulations, and guidelines covering the handling and storage of classified materials.

"Most of the violations we find are not intentional," Jones said. "They're mistakes – but ones we can't afford to have when it comes to operations and information security. With the advancements in technology, information security becomes more of a challenge each day.

"Remember," he cautioned, "once you press 'send,' it's too late..."



Help us get the word out!

We need to publicize our efforts during JEFX '00 to let everyone know how we are revolutionizing our military for the future. Take a few minutes to fill out a Hometown News Release Form, DD Form 2266, which can be found on the back of the welcome letter you received from public affairs when you in-processed. Return completed and signed forms to 2nd Lt. Paula Kurtz at the ESC trailer or to Capt. Geoffrey Fischer at the JPAC.